Large Character Inkjet

Videojet® 2120

The Videojet 2120 is an easy-to-use printer for applying one or two lines of alphanumeric codes to a variety of products or packages.

With a choice of printheads and inks, the 2120 is able to print on a wide range of porous and non-porous materials. It can control two printheads for opposite side case coding, and also offers multiple printer control from one screen for more complex, multi-line coding. Compact printhead design provides easy integration into existing conveyance systems and printhead slant control technology allows the printhead to be mounted at an angle so the text message style, density and height can be matched to the case design.

Uptime Advantage

- Supports one 16-valve or two 7-valve printheads to produce a variety of character heights and multi-line codes
- Leader/follower functionality allows up to four printers to be controlled from one controller for more efficient job management

Built-in productivity

- On-screen editor allows you to create and edit messages on the fly
- On-screen indicators report ink use, job status, message preview, counts and other production details at a central location for controlling and interacting with the printer

Code Assurance

- Single point message selection is delivered to multiple devices
- Can be connected to all Ethernet devices, including scales and scanners, throughout the production floor
- Control and access can be limited with passwords to help ensure your production continues unimpeded

Simple usability

- Built-in configuration wizard shortens system setup time by guiding the operator through the installation process
- Printer can operate in standalone mode using intuitive interface or be networked to PLCs or factory management systems for centralized control
**Large Character Inkjet**

**System Includes**
- User interface and controller
- External power supply and bracket
- Printhead(s)
- Printhead cable(s)
- Ink system plus level detect, 1 Liter
- Level detect harness
- Bracket kit
- Product sensor

**Built-in Software Functions**
- Time of day, internal or remote
- Real Time Clock (RTC)
- Counters: increment and decrement numbers or characters
- Print delay
- Print orientation: inverted, reversed or both

**Print Formats**
- Upper and lower case characters
- Multi-stroke characters
- Bold characters
- Adjustable character widths
- Print orientation: inverted, reversed or both

**Print Height and Print Speeds**

### 700 Series printheads (for porous substrates)

<table>
<thead>
<tr>
<th>Printhead</th>
<th># of dots</th>
<th>Print Height</th>
<th>Max Line Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>707</td>
<td>7</td>
<td>0.5&quot; 13 mm</td>
<td>236 fpm</td>
</tr>
<tr>
<td>716</td>
<td>16</td>
<td>1.2&quot; 30 mm</td>
<td>236 fpm</td>
</tr>
</tbody>
</table>

**Note:** Dot size setting can have an effect on the maximum line speed

### 800 Series printheads (for nonporous substrates)

<table>
<thead>
<tr>
<th>Printhead</th>
<th># of dots</th>
<th>Print Height</th>
<th>Max Line Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>807</td>
<td>7</td>
<td>1.5&quot; 37 mm</td>
<td>413 fpm 126 m/min.</td>
</tr>
<tr>
<td>816*</td>
<td>16</td>
<td>3.6&quot; 92 mm</td>
<td>413 fpm 126 m/min.</td>
</tr>
</tbody>
</table>

*For 5x5 font matrix, max speed at stated print height is 220 fpm (67 m/min.)

**Inks and Delivery Systems**
- Colors: black, red, blue
- Capacity: Standard 1 liter; 5-gallon with optional ADS Plus
- Characters/liter
  - 707 Printhead (7 Dot Font) - 300,000 characters/liter
  - 716 Printhead (16 Dot Font) - 56,000 characters/liter
  - 807 Printhead (7 Dot Font) - 600,000 characters/liter
  - 816 Printhead (16 Dot Font) - 60,000 characters/liter
- Surfaces: porous and non-porous
- Delivery: optional Air Delivery System (ADS Plus)

**Electrical Specifications**
- Mains Voltage: 100 to 240 VAC
- Frequency: 47 to 63 Hz
- Input Current: 1.07 A Max
- Safety Protection: Class I

**Environmental Specifications**
- Operating temperature: 5ºC to 40ºC (41ºF to 104ºF)
- Rate of change of ambient temperature: 10ºC (50ºF) per hour maximum
- Relative humidity: 10 to 90% non-condensing

**Weight**
- CLARITY Controller: 2.54 lbs (1.15 Kg)
- 700 Series printhead (7 valve): 1.10 lbs (0.5 Kg)
- 700 Series printhead (16 valve): 1.99 lbs (0.9 Kg)
- 800 Series printhead (7 valve): 0.88 lbs (0.4 Kg)
- 800 Series printhead (16 valve): 1.87 lbs (0.85 Kg)

**Controller Dimensions**

**700 Series Printhead Dimensions**

**800 Series Printhead Dimensions**

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